

CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID 071026-X02 Job No. J0P0848 and J0P0887
County Cape Girardeau/Bollinger Route 72 Original Bid Cost \$7,333,994.96
Contractor Apex Paving By Glen Graham
Designed By Penzel Construction Phone (573) 331-7561

Date 03/31/2008

VE # 08-16
1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

In lieu of removing the headwalls on the existing pipes, we propose to lay the new pipe in the existing pipe and attach the new collar to the existing headwall (see attached drawing). The savings would be in the removal of improvements on both projects. Our proposal only involves the type A collars. This change should expedite this portion of the work by 3 or 4 days.

2. Estimate of reduction in construction costs. \$3,500.00
3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

NONE

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

03/31/2008

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

04/14/2008

(date)

We want to start this work the first week in April 2008.

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

None

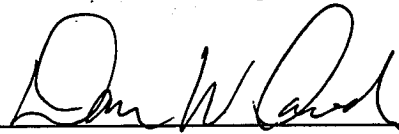
(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

I recommend approval of this practical design
VE proposal. Attachments Included.



Submitted By Resident Engineer

3-31-08

Date

Comments:

Each location will be evaluated to ensure there
is sufficient cover over the headwall.
Recommend for 75%/25% split.

☒ Approval
Recommended

☐ Rejection
Recommended

 DCME

District Engineer

4-3-08

Date

Comments:

☒ Approval

☐ Rejection



State Operations Engineer

4-7-08

Date

Distribution:

Resident Engineer, District Operations Engineer, State Operations Engineer
*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

PENZEL

CONSTRUCTION COMPANY, INC.
General Contractor

P.O. Box 330
325 West Jackson Blvd
Jackson, Mo 63755

Tel (573) 243-8191
(573) 243-3526
Fax (573) 243-2425

FAX

TO. MODOT
ATTN. Darius Dancy FROM: P. Kasper
FAX. 243-6281 PHONE: _____
PAGES: 4 DATE: 3-31-08
RE. Re 72 Cap-Ex COPY. _____
☐ URGENT ☐ FOR REVIEW ☐ FOR YOUR INFORMATION ☒ PLEASE COMMENT ☐ PLEASE REPLY ☐

COMMENTS:

RECEIVED

MAR 31 2008

Jackson Project Office

Confidentiality Notice:

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PENZEL

CONSTRUCTION COMPANY, INC.

325 W. Jackson Blvd. • P.O. Box 330 • Jackson, MO 63755 • (573) 243-8191 • (573) 243-3526 • fax (573) 243-2425 • www.penzel.com

3-31-08

MoDot
198 State Highway Y
Jackson, Mo. 63755

Attn: Darius Dowdy RE

Re: Cape Girardeau and Bollinger Counties Rte: 72 Job# JOP0848 & JOP0887

Dear Mr. Dowdy:

We propose the following concept proposal for consideration for the above referenced project. We understand that the savings would be 75% to MoDot and 25% to Penzel Construction Company, Inc.

There are 20 type A collars (14 in Bollinger and 6 in Cape) and 20 Type C collars (15 in Bollinger and 5 in Cape) to be constructed. The type A collars are used to connect a pipe to pipe and C collars are used to connect a box culvert to pipe. Our proposal only involves the type A collars. The type C collars are to be constructed per plans.

In lieu of removing the headwalls on the existing pipes, we propose to lay the new pipe in the existing pipe and attach the new collar to the existing headwall (see attached drawing). The saving would be in the removal of improvements item on both counties.

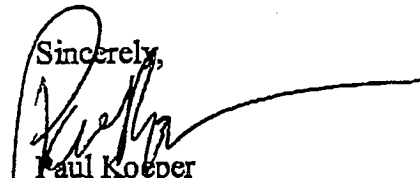
The saving distribution would be as follows in the removal of improvements for each county, based on 20 A collars (14 Bollinger and 6 in Cape).

Bollinger Co JOP0848	Rem. Of Impr.	Savings	\$2450.00
Cape Co. JOP0887	Rem of Impr.	Savings	\$1050.00
Total Savings			\$3500.00
75% MoDot			\$2625.00
25% Penzel			\$875.00

Weather permitting; we would like to install some of the modified Type A Collars the middle of this week.

Thank you for considering this money saving proposal. If you have any questions, don't hesitate to call us.

Sincerely,



Paul Koepfer

VP Penzel Construction Company, Inc.

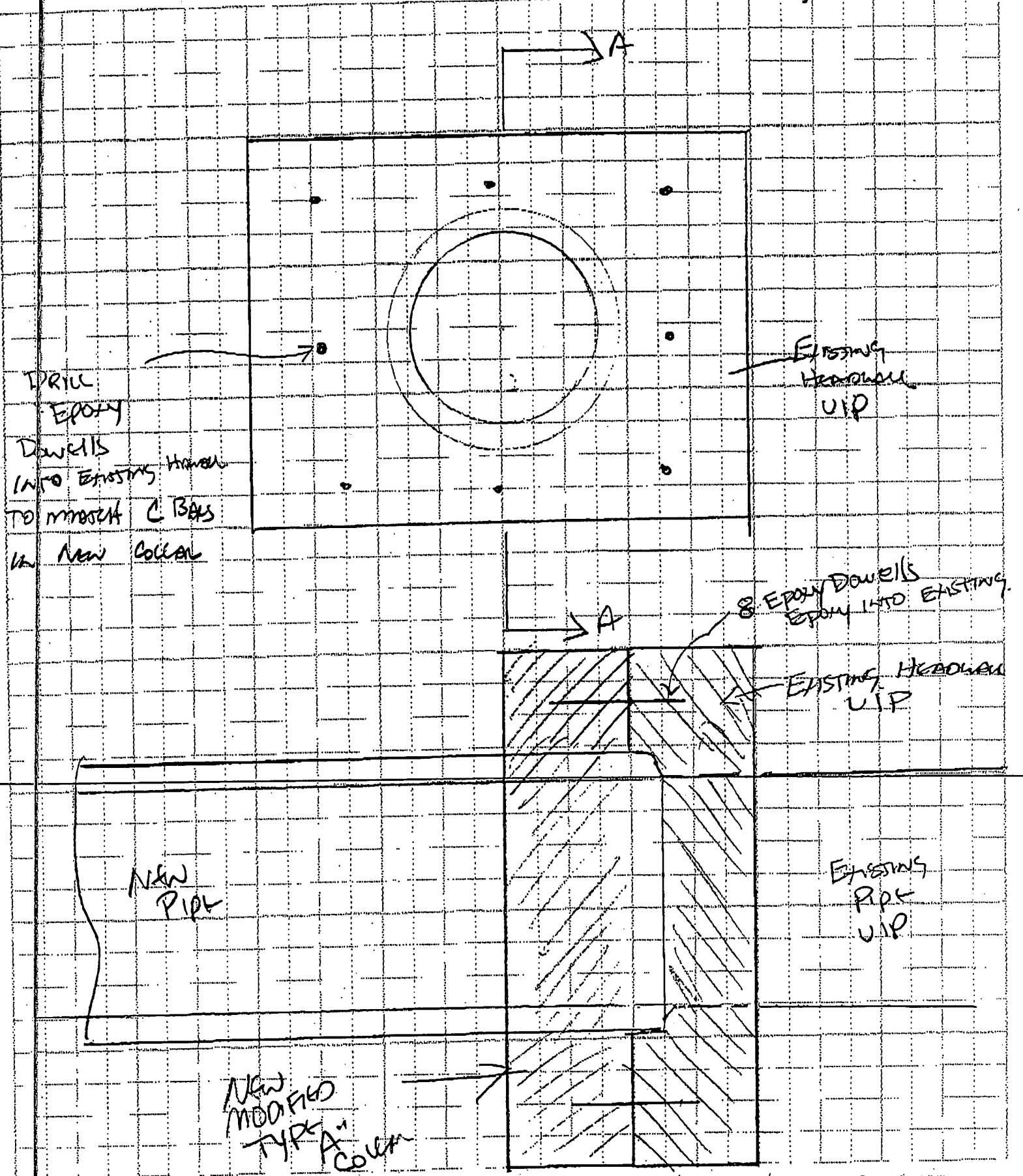
Cc: Apex Construction Co. Glen Graham

P.O. Box 330
323 West Jackson Blvd.
Jackson, Mo 63765

Tel. (573) 243-8191
(573) 243-3526
Fax (573) 243-2425

Project Prepared By: PAUL KOEHL

TOP0848, TOP0837






MEMORANDUM

Missouri Department of Transportation
Construction
2675 North Main

ok
BAW

TO: Brian A. Williams
Construction and Materials

CC: Jackson Construction
file

FROM: Debbie Strobel 
DFPRP

DATE: April 4, 2008

SUBJECT: District 10 - Construction
Value Engineering Proposal
Job Nos. JOP0848/ JOP0887
Route 72
Bollinger and Cape Girardeau Counties

Attached is the above-mentioned proposal that has been approved at the district level. Please make review and return to District 10 for distribution. If you have any questions, please contact Lynelle Luther.

Attachment

ds


Practical Design VE
75% MoDOT
25% Contractor



MEMORANDUM

Missouri Department of Transportation
Construction
Jackson Project Office

TO: Lynelle Luther
District Construction and Materials Engineer

FROM: Darius W. Dowdy 
Resident Engineer

DATE: April 2, 2008

Subject: VE Proposal #2
Project: JOP0848/JOP0887
Contract: 071026-X02
Route: 72, Bollinger and Cape Girardeau County

Please find attached to this memo Value Engineering Proposal number 2 as it pertains to project JOP0848 and JOP0887 in Bollinger County.

The VE Proposal submitted by Apex modifies the Type A pipe collar location and connection.